

WHAT IS CLAIMED IS:

1. A flame retardant resin composition comprising:

100 parts by weight of a thermoplastic polyamide resin

(A),

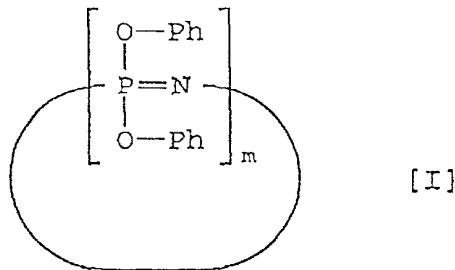
1 to 100 parts by weight of a phosphazene compound (C),

and

a polyphenylene ether-based resin, a polystyrene-based resin or mixture thereof (B) being present in an amount of 10 to 500% by weight based on the weight of said phosphazene compound (C).

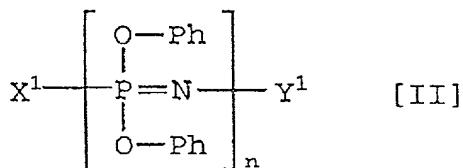
2. A flame retardant resin composition according to claim 1, wherein the phosphazene compound (C) comprises at least one compound selected from the group consisting of:

cyclic phenoxy phosphazenes represented by the general formula [I]:



wherein m is an integer of 3 to 25 and Ph is phenyl;

chain phenoxy phosphazenes represented by the general formula [II]:

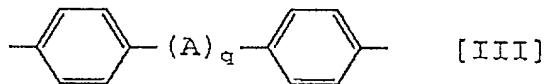


wherein  $\text{X}^1$  is  $-\text{N}=\text{P}(\text{OPh})_3$  or  $-\text{N}=\text{P}(\text{O})\text{OPh}$ ,  $\text{Y}^1$  is  $-\text{P}(\text{OPh})_4$  or  $-\text{P}(\text{O})\text{OPh}_2$ ,  $n$  is an integer of 3 to 10,000, and Ph is phenyl; and

cross-linked phenoxy phosphazene compounds obtained by cross-linking at least one phenoxy phosphazene selected from the group consisting of those represented by the above general formulae [I] and [II] through a cross-linking group.

3. A flame retardant resin composition according to claim 2, wherein the cross-linking group is phenylene or bisphenylene.

4. A flame retardant resin composition according to claim 2, wherein the cross-linking group is at least one group selected from the group consisting of o-phenylene, m-phenylene, p-phenylene, and bisphenylenes represented by the general formula [III]:



wherein A is  $-\text{C}(\text{CH}_3)_2-$ ,  $-\text{SO}_2-$ ,  $-\text{S}-$  or  $-\text{O}-$ ; and q is 0 or 1.

5. A flame retardant resin composition according to claim 2, wherein said cross-linked phenoxy phosphazene compound

comprises a cross-linking group which is present between two oxygen atoms of the phenoxy phosphazenes from which phenyl groups are eliminated; contains phenylene groups derived from those represented by the general formula [III] in an amount of 50 to 99.9 mol% based on the total number of phenyl groups and phenylene groups contained in the cyclic phenoxy phosphazene represented by the general formula [I], the chain phenoxy phosphazene represented by the general formula [II] or mixture thereof; and has no free hydroxy group in a molecule of the phosphazene compound (C).

6. A flame retardant resin composition according to claim 1, wherein the polyamide resin (A) is polyamide 6.

7. A flame retardant resin composition according to claim 1, further comprising an inorganic filler (D1).

8. A flame retardant resin composition according to claim 7, wherein the inorganic filler (D1) is a glass fiber.

9. A flame retardant resin composition according to claim 7, wherein the content of the inorganic filler (D1) is 5 to 300 parts by weight based on 100 parts of the polyamide resin (A).

10. A flame retardant resin composition according to claim 1, further comprising a magnetic powder (D2).

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11. A flame retardant resin composition according to claim 10, wherein the content of the magnetic powder (D2) is 50 to 95% by weight based on the weight of the flame retardant resin composition, and the content of the phosphazene compound (C) is 0.1 to 40% by weight based on the weight of the flame retardant resin composition.

12. A flame retardant resin composition according to claim 10, wherein the magnetic powder (D2) is ferrite-based magnetic powder, alnico-based magnetic powder or mixture thereof.

13. A flame retardant resin magnet comprising the flame retardant resin composition according to claim 10.